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## CLAIMS

We claim:

1	1. A system for using eye gaze to control a scroll mate
2	of information presented on a display, comprising:
3	a display for displaying scrolling information;
4	means for monitoring a gaze position on said
5	display relative to an anchor position;
6	control means for adjusting a speed of said
7	scrolling information if said gaze position deviates
8	from said anchor position.

- 2. A system for using eye gaze to control the rate of information presented on a display as recited in claim 1 wherein said scrolling information scrolls from a bottom of said display to a top of said display and wherein said control means increases said scroll rate if said gaze position moves below said anchor
- 7 position and decreases said scroll rate if said gaze
- 8 position moves above said anchor position.
- 3. A system for using eye gaze to control the rate of
- 2 information presented on a display as recited in claim
- 3 2 wherein said control means reverses scroll direct:on
- 4 if said gaze position moves near said top of said
- 5 display.
- A system for using eye gaze to control the rate of
  - information presented on a display as recited in claim

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- 3 1 wherein said scrolling information scrolls from a top
- 4 of said display to a bottom of said display.
- 1 5. A system for using eye gaze to control the rate of
- 2 information presented on a display as recited in claim
- 3 4 wherein said control means reverses scroll direction
- 4 if said gaze position moves near said bottom of said
- 5 display.
- 1 6. A system for using eye gaze to control the rate of
- 2 information presented on a display as presented in
- 3 claim 1 wherein said anchor position is horizontal line
- at the center of said display.
- 1 7. A system for using eye gaze to control the rate of
- 2 information presented on a display as recited in claim
- 3 1 wherein said scrolling information scrolls
  - horizontally from a first side of said display to a
- 5 second side of said display.
- 1 8. A system for using eye gaze to control the rate of
- 2 information presented in a display as recited in claim
- 3 7 wherein said anchor position is a vertical line at a
- 4 center of said display.
- 9. A system for using eye gaze to control the rate of
- 2 information presented in a display as recited in claim
- 3 1 wherein said control means dynamically adjusts said
- 4 anchor position to the position of gaze dwell.

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- 1 10. A system for using eye gaze to control the rate of
- 2 information presented in a display as recited in claim
- 3 7 wherein said control means reverses scroll direction
- 4 if said gaze position moves near said second side of
- 5 said display.
- 1 11. A method for automatically adjusting a scroll rate 2 of information scrolling on a display, comprising the 3 steps of:
- 4 defining an initial anchor position near a center 5 line of a display;

scrolling information across said display at a scroll rate with new information appearing at a first side of said display and disappearing at a second side of said display;

- tracking a gaze position on said display;
- increasing said scroll rate if said gaze position moves from said anchor position toward said first side
- 13 of said display; and
- decreasing said scroll rate if said gaze position moves from said anchor position toward said second side of said display.
  - 1 12. A method for automatically adjusting a scroll rate
  - 2 of information scrolling on a display as recited in
  - 3 claim 11 further comprising the step of:
  - 4 reversing scroll direction if said gaze moves near 5 said second side of said display.
  - 1 13. A method for automatically adjusting a scroll rate

2	of information scrolling on a display as recited in
3	claim 11 further comprising the step of:
4	dynamically adjusting said anchor position in
5	response to gaze dwell.
1	14. A computer readable medium comprising software
2	instructions for automatically adjusting a scroll rate
3	of information scrolling on a display, said
4	instructions comprising the steps of:
5	defining an initial anchor position near a center
6	line of a display;
7	scrolling information across said display at a
8	scroll rate with new information appearing at a first
9	side of said display and disappearing at a second side
10	of said display;
11	tracking a gaze position on said display;
12	increasing said scroll rate if said gaze position
13	moves from said anchor position toward said first side
14	of said display; and
15	decreasing said scroll rate if said gaze position
16	moves from said anchor position toward said second side
17	of said display.
1	15. A computer readable medium comprising software
2	instructions for automatically adjusting a scroll rate
3	of information scrolling on a display as recited in
4	claim 14, said instructions further comprising the

steps of:

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said second side of said display.

reversing scroll direction if said gaze moves near

16. A computer readable medium comprising software
instructions for automatically adjusting a scroll rate
of information scrolling on a display as recited in
claim 14, said instructions further comprising the
steps of:
dynamically adjusting said anchor position in
response to gaze dwell.